566.43481CC4

## IN THE WNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s):

N. FUKUTOMI, et al.

Appln. No.:

10/042,408

Filed:

January 8, 2002

For:

FABRICATION PROCESS OF SEMICONDUCTOR PACKAGE

AND SEMICONDUCTOR PACKAGE

Group:

2813

Examiner:

N. Berezny6

Conf. No.:

9036

## INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.97 AND 1.98

Mail Stop: AMENDMENT Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

May 9, 2005

Sir:

Pursuant to Applicants' duty of disclosure, enclosed please find copies of Office Actions from the Japanese Patent Office in connection with corresponding Japanese patent applications. Also enclosed are English translations of these Office Actions, and copies of documents cited in these Office Actions. Further enclosed are English abstracts of various of the cited documents, and an English-language equivalent (No. WO/04316 for JP 63-503261). Also enclosed is a Form PTO/SB/08A and B, listing the enclosed documents.

This Information Disclosure Statement is being submitted subsequent to a first Office Action on the merits in the above-identified application, but prior to a Final Office Action or issuance of a Notice of Allowance, or issuance of any other action closing prosecution on the merits in the above-identified application. For satisfying requirements of 37 CFR 1.97(c), the following Statement is made under 37 CFR 1.97(e):

Noting 37 CFR 1.7, in connection with time for taking action where expiration is on a Saturday, Sunday or

Docket No. 566.43481CC4 Serial No. 10/042,408

May 9, 2005

holiday, each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement.

To the extent that the enclosed documents are not in English, it is respectfully submitted that requirements of 37 CFR 1.98(a)(3) are satisfied by English translations of the respective Office Actions, and/or by English abstracts of the cited documents and/or the corresponding English-language document.

In view of the foregoing, it is respectfully submitted that all applicable requirements of 37 CFR 1.97 and 1.98 have been satisfied, in connection with each of the documents listed on the enclosed Form. Accordingly, consideration of the listed documents, upon further examination of the above-identified, is respectfully requested.

Please charge any shortage in fees due in connection with the filing of this paper to the Antonelli, Terry, Stout & Kraus, LLP Deposit Account No. 01-2135 (Docket No. 566.43481CC4), and please credit any excess fees to such Deposit Account.

Respectfully submitted,

ANTONELLI, TERRY, STOUT & KRAUS, LLP

William I. Solomón

Reg. No. 28,565

WIS/ksh 1300 N. Seventeenth Street **Suite 1800** Arlington, Virginia 22209 Telephone: (703) 312-6600

Facsimile: (703) 312-6666

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

| Unde  | Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number |       |     |                        |                   |             |         |          |  |  |  |
|-------|--|-------|-----|------------------------|-------------------|-------------|---------|----------|--|--|--|
|       | e for form 1449A/PTO   |       |     | c                      | complete if Known |             | 010     |          |  |  |  |
|       | INFORMATION DISC   |       |     | Application Number     | 10/042,408        | <b>₽</b>    |         | Ī        |  |  |  |
|       | STATEMENT BY API   |       |     | Filing Date            | 01/08/2002        | H 741       | , ,     | $I_i$    |  |  |  |
|       | (use as many sheets as ne  | cessa | ry) | First Named Inventor   | N. FUKUTOMI       | 8           | 2005    | 1        |  |  |  |
|       | <u>May 9, 2005</u>   |       |     | Art Unit               | 2813              | <b>₽</b> °. | ~40     | <u>/</u> |  |  |  |
|       |  |       |     | Examiner Name          | N. BEREZNY        | <b>A</b>    |         |          |  |  |  |
| Sheet | 1  | of    | 2   | Attorney Docket Number | 566.43481CC4      | YOU         | MARK DE |          |  |  |  |

|                       |     |     |                                | U.S. PATENT D   | OCUMENTS  |  |
|-----------------------|-----|-----|--------------------------------|---|---|--|
| Examiner<br>Initials' | 1 1 |     | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited<br>Document | Pages, Columns, Lines, Where<br>Relevant Passages or Relevant<br>Figures Appear |  |
|                       |     | US- |                                |   |   |  |
|                       |     | US- |                                |   |   |  |
|                       |     | US- |                                |   |   |  |
|                       |     | US- |                                |   |   |  |
|                       |     | US- |                                |   |   |  |
|                       |     | US- |                                |   |   |  |
|                       |     | US- |                                |   |   |  |
|                       |     | US- |                                |   |   |  |
|                       |     | US- |                                | , ,   |   |  |
|                       |     | US- |                                |   |   |  |

| FOREIGN PATENT DOCUMENTS |              |   |                             |  |   |                |  |
|--------------------------|--------------|---|-----------------------------|--|---|----------------|--|
| Examiner<br>Initials'    | Cite<br>No.1 | Foreign Patent Document  Country Code 3-Number 4-Kind Code 5 (if known) | Publication Date MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines,<br>Where Relevant Passages<br>or Relevant Figures Appear | Τ <sup>6</sup> |  |
|                          |              | JP 04-241445  | 08/1992                     | M. Chatani   |   | Α              |  |
|                          |              | JP 04-180244  | 06/1992                     | T. Ofusa, et al.                                   |   | Α              |  |
|                          |              | JP 61-177759  | 08/1986                     | T. Okinaga, et al.                                 |   | Α              |  |
|                          |              | WO 87/04316   | 07/1987                     | B. Freyman, et al.                                 |   |                |  |
| -                        |              | JP 63-503261  | 11/1988                     | ,  |   |                |  |
|                          |              | JP 03-178152  | 08/1991                     | S. Higuchi   |   | Α              |  |
|                          |              | JP 05-082667  | 04/1993                     | K. Miyake, et al.                                  |   | Α              |  |
|                          |              | JP 62-230091  | 10/1987                     |  |   |                |  |
|                          |              | JP 64-089595  | 04/1989                     | A. Kida, et al.                                    |   | Α              |  |

|           | and the second s |
|-----------|--|
| Examiner  | Date   |
| Signature | Considered   |

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

PTO/SB/08B (04-03) Approved for use through 10/31/2002. OMB 0651-031 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. Substitute for form 1449/PTO Complete if Known **Application Number** 10/042,408 INFORMATION DISCLOSURE Filing Date 01/08/2002 STATEMENT BY APPLICANT First Named Inventor N. FUKUTOMI May 9, 2005 Group Art Unit 2813 (use as many sheets as necessary) Examiner Name N. BEREZNY 2 566.43481CC4 Sheet Attorney Docket Number

| Examiner<br>Initials* | Cite<br>No. | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T <sup>2</sup> |
|-----------------------|-------------|---|----------------|
|                       |             | Japanese Office Action, for Japanese Patent Application No. 2004-160856, dispatched February 8, 2005, w/English translation.  |                |
| <u> </u>              |             | Japanese Office Action, for Japanese Patent Application No. 2004-1608657 dispatched March 15, 2005, w/English translation.  |                |
|                       |             | Japanese Office Action, for Japanese Patent Application No. 2004-160858, dispatched February 8, 2005, w/English translation.  |                |
|                       |             | Japanese Office Action, for Japanese Patent Application No. 2004-160860, dispatched February 8, 2005, w/English translation.  |                |
|                       |             |   |                |
|                       |             |   |                |
|                       |             |   | 1              |
|                       |             |   | <del> </del>   |
|                       | 1           |   | -              |
|                       | -           |   | -              |
|                       |             |   |                |
| <del>.</del>          |             |   |                |
|                       |             |   | 1              |
|                       |             |   | $\perp$        |

|           |            | <br> |
|-----------|------------|------|
| Examiner  | Date       |      |
| Signature | Considered |      |

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Applicant's unique citation designation number (optional). Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing the this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.